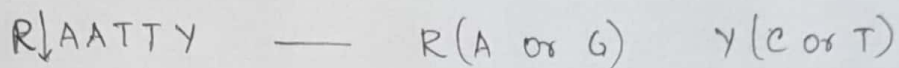


Q2- Report

In this question, ~~we~~ I have considered the sequence M.AaaS1ORF662P, a methyltransferase ~~enzyme~~^{gene} which is 2682 bp long.

On using the restriction enzyme ApsI which has a recognition site :



We observe that it is split into 7 fragments.

Fragment NO:	Size of fragment (location)	Length of fragment
1	1-997	997 bp
2	998-1087	90 bp
3	1088-1167	80 bp
4	1168-1320	153 bp
5	1321-1801	481 bp
6	1802-1981	180 bp
7	1982-2682	701 bp

The above is stored in Q2-map.txt

I have also plotted the restriction map (Restriction-Map-M.AaaS1ORF662P.png)

The corresponding cut locations obtained from the net is stored as (Restriction-Map-cuts.png).

The restriction map obtained from REBsites stored as (REBsites-M.AaaS1ORF662P.png)